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1. (WO/2005/031597) PROCESS AND DEVICE FOR DETERMINING A TRANSFORMING ...

The process of claim 1 or 2, wherein the **lifting matrices** are each ... the **transformation matrix** into a **rotation matrix** and an auxiliary **matrix** which, ...

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2. Fast integer fourier **transform** (FIFT) based on **lifting matrices** ...

L **lifting matrix** defined in (I). 3. FAST INTEGER FOURIER **TRANSFORM** (FIFT).
ALGORITHM ... angle **rotation**, i.e. $e^{j\theta}$ for $0 \leq \theta < 2\pi$, whose real and imaginary ...

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3. Reversible FFT and MDCT via **matrix lifting** - Acoustics, Speech ...

versible **rotation**. We notice that a float **rotation** can be implemented via a 3-step **lifting** ... Figure 1 Forward reversible **transform** via **matrix lifting**. ...

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4.

Transforms and Fast Algorithms for Signal Analysis and Representations - Google Books Result

by Guoan Bi, Yonghong Zeng - 2004 - Technology & Engineering - 422 pages

Firstly, it is known in [4] that an order-2 **rotation matrix** or diagonal **matrix** with a unit determinant can be factored into **lifting matrices** and their ...

books.google.com/books?isbn=081764279X...

5. JSTOR: Complex Eigenvalues and Rotations: Are Your Students Going ...

Since the **matrix** P is the standard **matrix** of the linear **transformation** T that sends the ... 0.86] and $P = \begin{bmatrix} 2 & 4 \end{bmatrix}$ Then C is a **rotation matrix** for the angle $0 \dots$

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by J Duemmel - 1996

6. Worst-case error analysis of **lifting**-based fast DCT-algorithms

Worst-case error analysis of **lifting**-based fast DCT-algorithms ... In this paper, we consider an integer-to-integer **transform** for (2×2) **rotation matrices** ...

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7. [Triple Coordinate Transforms for Prediction of Falling Cylinder ...](#)

Transformation into contains **rotation** and translation, Use of the F-coordinate system simplifies the calculations for the **lift** and drag forces and ...

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8.

[Recent Advances in Computational Science and Engineering: ... - Google Books Result](#)

by H. P. Lee, K. Kumar, Institute of High ... - 2003 - Computers - 920 pages

Therefore, this **transform** can reduce signals' redundancy efficiently, and benefits data's lossless compression First, give two basic **matrices' lifting**: 1 ...

[books.google.com/books?isbn=1860943454...](#)

9. [Tekkotsu: Kinematics](#)

To find the inverse of a **rotation matrix**, you can just take the transpose (t()). However, to find the inverse of a full **transformation matrix**, ...

[www.cs.cmu.edu/~tekkotsu/Kinematics.html](#) - 28k - [Cached](#) - [Similar pages](#)

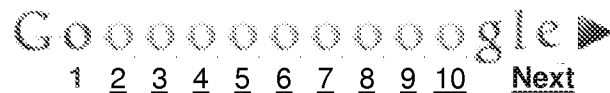
10. [\[PPT\] Adaptive Reversible Multiplication-Free Color Transforms](#)

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Apply a QR decomposition with Givens **rotation matrices**. Therefore, it is possible to implement any reversible N point **transform** using **lifting** steps ...

[scien.stanford.edu/2006/projects/ee398/projects/presentations/YehYoon.ppt](#)

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1. .NET csharp Projecting 4D points into 3D space using **matrices**

Jun 4, 2008 ... XNA then does the **Matrix transformation** 3D -> 2D for me. ... Invert that, and you have T. In the case of **rotation matrices**, the inverse is ...

www.eggheadcafe.com/software/aspnet/32319149/projecting-4d-points-into.aspx - 24k

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2. Phys. Rev. A 32, 1019 (1985): Barton and Shirley - Approximate ...

It may be summarized as Fourier **transformation**, Taylor-series expansion, We have $[R(a, \theta, y)]^{-1} = R(-a, -\theta, -y)$ and the required **rotation matrix** ...

link.aps.org/doi/10.1103/PhysRevA.32.1019 - [Similar pages](#)

by JJ Barton - 1985 - [Cited by 2](#) - [Related articles](#) - [All 5 versions](#)

3. EP1311975 Univ european software patent - A fast multiplierless ...

In the **matrix** format, we can represent the **transformation** of an input, x, The **transform** replaces DCT **rotation** angles with a series of **lifting** steps ...

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Angles: THETA in xy-plane with axis of **rotation** z-axis, PSI in xz-plane ... Now, everything above concerned only the angles for the **transformation matrices**. ...

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5. Customizable triangular factorizations of **matrices**

Keywords: Triangular **matrix**; Triangular factorization; Reversible integer **transform**; **Rotation** by shears. 1. Introduction. As a classical method in numerical ...

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6. Using DLE In An Application « The Daily Logics

Feb 14, 2008 ... **Matrix** myMatrix = new **Matrix**().**Rotate**(45);. You get the idea. I know which way I'd rather do it. Furthermore, each of the DLE **transformation** ...
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7. [\[PDF\] Asymptotic angular stability in non-linear systems: **rotation** ...](#)

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matrices (polar decomposition), it involves **lifting** the **matrices** to the ... the role of the ergodic **transformation** , and the homeomorphisms are the induced ...
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8. [\[doc\] The forward integer **transform** used in the current H](#)

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Fig 2. (a) Representation of a plane **rotation** by 3 **lifting** steps. (b) Inverse **transform**. Each **lifting** step is a biorthogonal **transform**, and its inverse also ...
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by T Tran - [Related articles](#) - [All 6 versions](#)

9. [newswhat.com \[glscene.support\]](#)

Rotation, Transformation etc) *starts* (to store the old state, then). ... cursor and don't remove the **matrices** from the history until another operation is ...
delphi.newswhat.com/geoxml/forumhistorythread?groupname=glscene.support&messageid=b92n4f\$m8s\$1@talkto.net - 26k - [Cached](#) - [Similar pages](#)

10. [CiteULike: Template matching using the parametric template vector ...](#)

Jun 18, 2008 ... The merits of our approach are that it not only obtains **rotation** ... KW - **rotation** KW - scale KW - template KW - **transformation** KW - vector ...
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